

We Claim:

1. A process for delivering a polynucleotide complexed with a polymer into an extravascular parenchymal cell of a mammal, comprising:
 - a. mixing the polynucleotide and the polymer to form a complex wherein the zeta potential of the complex is less negative than the polynucleotide alone at physiological pH;
 - b. inserting the polynucleotide into a mammalian vessel, *in vivo*;
 - c. increasing the permeability of the vessel;
 - d. passing the complex through the vessel;
 - e. delivering the complex into the mammalian extravascular parenchymal cell; and,
 - f. expressing the polynucleotide.
2. The process of claim 1 wherein the polymer contains at least one functional group having a pKa in the range of 5-7.
3. The process of claim 1 where the polymer is selected from the group consisting of imidazole, pyridine, or aniline groups.